

Purchase Order Receipt Listing

Wednesday, December 07, 2016 10:15:03 AM

All amounts are calculated in domestic currency.

All Vendors PO ID PO34489 All Receipt Dates All Line Item Types
All Item ID/GL/WOs All Rec. Employees All Currencies
Grouped by Vendor ID

Purchase Order ID/ Curr Type	Line Nbr/ Insp Req	Project ID	Reference/ Description/ Cert Std	PO U/M / Stock U/M	Required Date Required Qty	Recv Date/ Recv Emp	Recv Qty (PO U/M)	Cost Per Unit/ Recv Value	Inspected Qty/ Rejected Qty (PO U/M)	MRB Qty/ MRB Reject Qty	Book Amt
Vendor ID \ Vendor Name VC-COP001 Thyssenkrupp Materials CA Ltd											
PO34489	1		M6061T6B0.500X02. f		12/7/2016	12/7/2016	12.0000	\$3.41	0.0000	0	\$40.96
CAD	No		6061-T6 Bar .500 x 2.00	f	12.0000	PLOU01		\$40.96	0.0000	0	
			mm136327								
	2		M6061T6B1.250X01. f		12/7/2016	12/7/2016	12.0000	\$3.41	0.0000	0	\$40.96
	No		6061-T6 Bar 1.25 x 1.25	f	12.0000	PLOU01		\$40.96	0.0000	0	
			mm136327								
	3		M6061T6B2.000X01. f		12/7/2016	12/7/2016	12.0000	\$6.20	0.0000	0	\$74.35
	No		6061-T6 Bar 2.00 x 1.25	f	12.0000	PLOU01		\$74.35	0.0000	0	
			mm136327								
	4		M6061T6R0.500 f		12/7/2016	12/7/2016	12.0000	\$3.41	0.0000	0	\$40.96
	No		6061-T6 Round Bar .500"	f	12.0000	PLOU01		\$40.96	0.0000	0	
			mm136327								
	5		M6061T6R0.750 f		12/7/2016	12/7/2016	24.0000	\$1.79	0.0000	0	\$42.89
	No		6061-T6 Round Bar .750"	f	24.0000	PLOU01		\$42.89	0.0000	0	
			mm136327								
	7		M6061T6S.125 sf		12/7/2016	12/7/2016	48.0000	\$4.56	0.0000	0	\$218.94
	No		6061-T6 .125 Sheet	sf	48.0000	PLOU01		\$218.94	0.0000	0	
			mm136327								
	9		M303R0.500 f		12/7/2016	12/7/2016	24.0000	\$1.81	0.0000	0	\$43.55
	No		303 Round Bar 0.500" f	f	24.0000	PLOU01		\$43.55	0.0000	0	
			mm136327								
	10		M303R1.000 f		12/7/2016	12/7/2016	12.0000	\$6.20	0.0000	0	\$74.37
	No		303 Round Bar 1.00 f	f	12.0000	PLOU01		\$74.37	0.0000	0	
			mm136327								

Purchase Order ID/ Curr Type	Line Nbr/ Insp Req	Project ID	Reference/ Description/ Cert Std	PO U/M / Stock U/M	Required Date Required Qty	Recv Date/ Recv Emp	Recv Qty (PO U/M)	Cost Per Unit/ Recv Value	Inspected Qty/ Rejected Qty (PO U/M)	MRB Qty/ MRB Reject Qty	Book Amt
Vendor ID \ Vendor Name VC-COP001 Thyssenkrupp Materials CA Ltd											
PO34489	11		M304S11GA	sf	12/7/2016	12/7/2016	32.0000	\$6.89	0.0000	0	\$220.43
CAD	No		304/316 0.125 Sheet mm136327	sf	32.0000	PLOU01		\$220.43	0.0000	0	
	12		M304S16GA	sf	12/7/2016	12/7/2016	120.0000	\$3.45	0.0000	0	\$413.88
	No		304/316 Sheet .063 mm136327	sf	120.0000	PLOU01		\$413.88	0.0000	0	
	13		M304S20GA	sf	12/7/2016	12/7/2016	64.0000	\$3.17	0.0000	0	\$202.57
	No		304/316 .040 Sheet mm136327	sf	64.0000	PLOU01		\$202.57	0.0000	0	
Total Received Quantity:											
Total Qty to Inspect (PO U/M):											
Total Reject Quantity:											
Total Receipt Value:											
Total Balance Due Quantity:											
372.0000											
0.0000											
0.0000											
\$1,413.87											
0.0000											

B I L L O F L A D I N G

Ship From:
 THYSSENKRUPP MATERIALS NA
 2821 LANGSTAFF ROAD
 CONCORD, ONTARIO L4K 5C6
 Tel: 905 669 9444 Fax: 905-738-9033

No: PEC 21092
 Ship Date 05Dec16 at 10:36 From PFW
 Probill
 Via VIM DELIVERY
 FOB CONCORD
 Frt PREPAID 12.063
 Route 0- 0 Manifest
 Vhcle Trailer
 Slp STAN IVERS (905-532-1350)
 Sold To: (20115)
 DART AEROSPACE
 1270 ABERDEEN ST
 HAWKESBURY, ON K6A 1K7

① Ship To: (1)
 DART AEROSPACE
 1270 ABERDEEN ST
 HAWKESBURY, ON K6A 1K7
 Tel: 613-632-9577 Fax: 613-632-1053

B I L L O F L A D I N G

1) Our Order PEC-994885- 1 Your PO # 34489

ALUMINUM FLAT BAR 6061-T6511
 .50" x 2.00" X 144.0000" ✓ 450703

Heat Number 201616584 Tag No 596770

Quantity 12 FT ✓ PCS 1 Wt LBS 15

MTR

2) Our Order PEC-994885- 2 Your PO # 34489

ALUMINUM SQUARE BAR 6061-T6511
 1.250" X 144.0000" ✓ 450639

Heat Number Z00240110 Tag No 596771

Quantity 12 FT ✓ PCS 1 Wt LBS 22

MTR

3) Our Order PEC-994885- 3 Your PO # 34489

ALUMINUM FLAT BAR 6061-T6511
 1.250" x 2.00" X 144.0000" ✓ 450639

Heat Number 201613776 Tag No 596772

Quantity 12 FT ✓ PCS 1 Wt LBS 36

MTR

4) Our Order PEC-994885- 4 Your PO # 34489

ALUMINUM ROUND BAR 6061-T6511
 .50" DIA X 144.0000" ✓ 450639

Heat Number 201612660 Tag No 596773

Quantity 12 FT ✓ PCS 1 Wt LBS 4

MTR

5) Our Order PEC-994885- 5 Your PO # 34489

ALUMINUM ROUND BAR 6061-T6511
 .750" DIA X 144.0000" ✓ 450639

Heat Number 201613234 Tag No 596774

Quantity 24 FT ✓ PCS 2 Wt LBS 13

MTR

Page: 1Continued

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE
 RAPPORTÉES IMMÉDIATEMENT.

ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY

RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.
 MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

50/612-7

Math Loub

Ship From:
THYSSENKRUPP MATERIALS NA
2821 LANGSTAFF ROAD
CONCORD, ONTARIO L4K 5C6
Tel: 905 669 9444 Fax: 905-738-9033

B I L L O F L A D I N G

No: PEC 21092
Ship Date 05Dec16 at 10:36 From PFW
Probill
Via VIM DELIVERY
FOB CONCORD
Frt PREPAID
Route 0- 0 Manifest
Vhcle Trailer
Slp STAN IVERS (905-532-1350)
Sold To: (20115)
DART AEROSPACE

Ship To: (1)
DART AEROSPACE

B I L L O F L A D I N G

6) Our Order PEC-994885- 7 Your PO # 34489

ALUMINUM SHEET 6061 T6

.1250 Nom X 48.0000" X 144.0000"

Heat Number

RA31172

Tag No

596420

Quantity

48.00 SFT

PCS

1

Wt LBS

83

7) Our Order PEC-994885- 8 Your PO # 34489

STAINLESS STEEL ROUND BAR 303 STAINLESS

.50" DIA X 144.0000"

Heat Number

020B

Tag No

596775

Quantity

24 FT

PCS

2

Wt LBS

16

8) Our Order PEC-994885- 9 Your PO # 34489

STAINLESS STEEL ROUND BAR 303 STAINLESS

1.00" DIA X 144.0000"

Heat Number

Y4R5

Tag No

596776

Quantity

12 FT

PCS

1

Wt LBS

33

9) Our Order PEC-994885- 10 Your PO # 34489

STAINLESS STEEL SHEET 304-2B

.1200 Nom X 48.0000" X 96.0000"

Heat Number

LZ600464

Tag No

596427

Quantity

32.00 SFT

PCS

1

Wt LBS

153

10) Our Order PEC-994885- 11 Your PO # 34489

STAINLESS STEEL SHEET 304-2B

.0600 Nom X 48.0000" X 120.0000"

Heat Number

YU175063

Tag No

596449

Quantity

120.00 SFT

PCS

3

Wt LBS

286

11) Our Order PEC-994885- 12 Your PO # 34489

STAINLESS STEEL SHEET 304-2B

.0360 Nom X 48.0000" X 96.0000"

Heat Number

Tag No

Quantity

PCS

Wt LBS

Page: 2Continued

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE
RAPPORTÉES IMMÉDIATEMENT.

ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY

RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.

MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

REÇU EN BONNE CONDITIONS / RECEIVED IN GOOD CONDITION

DATE

TVQ/QST# 1017327981 TQ001.TPS/GST TVH/HST # 140223934 RT0001

Ship From: **B I L L O F L A D I N G**
THYSSENKRUPP MATERIALS NA
2821 LANGSTAFF ROAD
CONCORD, ONTARIO L4K 5C6
Tel: 905 669 9444 Fax: 905-738-9033

No: PEC 21092
Ship Date 05Dec16 at 10:36 From PFW
Probill
Via VIM DELIVERY
FOB CONCORD
Frt PREPAID
Route 0- 0 Manifest
Vhcle Trailer
Slp STAN IVERS (905-532-1350)
Sold To: (20115)
DART AEROSPACE

Ship To: (1)
DART AEROSPACE

=====

B I L L O F L A D I N G			
AOA010-AAD	596423	64.00 SFT	2
			92

TOTAL:	Tags 11	PCS 16	LBS 753
--------	------------	-----------	------------

Heat Number *** Chemical Analysis ***

020B
201612660
201613234
201613776
201616584
AOA010-AAD
LZ600464
RA31172
Y4R5
YU175063
Z00240110

SP/6-12-7

MILL TEST REPORTS, PACKING SLIPS ARE TO SENT
WITH MATERIAL AND FAXED TO THE CUSTOMER PRIOR
TO SHIPPING.

ATTN: CHANTAL/LINDA

** ALL PACKING SLIPS MUST HAVE THE HEAT NUMBER **
** REFERENCED ON IT **

TOTAL 1 BDL, 3 SKIDS GW. 1062 LBS

***** CLOSED FOR THE HOLIDAYS *****

ON DEC. 26, 29, 30/2016 & JAN. 2/2017.

WE ARE OPENED FOR BUSINESS ON DEC. 23, 27 & 28.

HAVE A HAPPY HOLIDAY SEASON!

*CUSTOMER PICK-UP HRS AT THYSSENKRUPP MATERIALS NA
CONCORD, ONT.* *** 9:00 AM TO 4:00 PM ***

Page: 3Continued

ALUMINIUM - TITANIUM - CUIVRE - PLASTIQUE - ACIER INOX
ALUMINIUM - BRASS - COPPER - PLASTICS - STAINLESS

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE
RAPPORTÉES IMMÉDIATEMENT.

ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY

RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.
MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

B I L L O F L A D I N G

Ship From:
 THYSSENKRUPP MATERIALS NA
 2821 LANGSTAFF ROAD
 CONCORD, ONTARIO L4K 5C6
 Tel: 905 669 9444 Fax: 905-738-9033

No: PEC 21092
 Ship Date 05Dec16 at 10:36 From PFW
 Probill
 Via VIM DELIVERY
 FOB CONCORD
 Frt PREPAID
 Route 0- 0 Manifest
 Vhcle Trailer
 Slp STAN IVERS (905-532-1350)
 Sold To: (20115)
 DART AEROSPACE

Ship To: (1)
 DART AEROSPACE

B I L L O F L A D I N G

***** TEL. 800-926-2600 *****

 * WE STOCK STAINLESS STEEL *
 * PLEASE LET US QUOTE YOUR NEXT REQUIREMENT *

 ***PLEASE NOTE A \$25.00 ENERGY SURCHARGE WILL BE
 ADDED TO EVERY ORDER.***

 ***UNE SURCHARGE D'ENERGIE DE \$25.00
 SERA AJOUTEE A CHAQUE COMMANDE.***
 ***POUR VOS BESOINS D'ACIER INOXYDABLE,
 CONTACTEZ-NOUS. NOUS L'AVONS! TEL. 800-926-2600

10
 10
 8216-12-7

133

1456

2016-12-7

Page: 4 Last

ALUMINIUM * CARTON * CUIVRE * PLASTIQUE * ACIER INOX
 ALUMINUM * INRASE * COPPER * PLASTICS * STAINLESS

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE
 RAPPORTÉES IMMÉDIATEMENT.

ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY

RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.
 MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

THYSSENKRUPP MATERIALS NA

PART AEROSPACE
STAINLESS STEEL SHEET 304L-2B
.0600 Nom X 48.0000" X 120.0000"
PART NO.

PO/REL 34489

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Signed by:

Certificate of Mill Test Results
BL PEC-021092-010
SDect16
Pg 1/1



YIEH MAU CORP.

DAS
9-8-10
10/12/10

INSPECTION CERTIFICATE

1995

INVOICE NO. : F14M971

COMMODITY : PRIME COLD ROLLED STAINLESS STEEL SHEET

SPECIFICATION : AISI 304 / 304L ASTM A240/A480-11a ASME SA240/SA480-11a

CUSTOMER : OLBERT METAL SALES LIMITED

NO. 345, SHUN-AN RD., LUZHU DIST.,
KAOHSIUNG CITY 821, TAIWAN, (R.O.C.)
TEL NO. : 886-7-697-6266
FAX NO. : 886-7-697-3006
CERTIFICATE NO. : F14M971
DATE OF ISSUE: 10/07/2014
PAGE: 1

SIZE	No. of Product	Weight in KG	Heat No.	ID No.	Mechanical Properties Tensile Test Gleeble 3500					Chemical Composition (%)							
					Y.S. (N/mm ²)	T.S. (N/mm ²)	EL. (%)	HRB	HV	C x 100	Si x 100	Mn x 100	P x 1000	S x 1000	Ni x 100	Cr x 100	N x 100
304/304L 2B PL	1	2,294	YU175294	38S27064A-11	319	647	53	86	175	2.7	43	128	41	14	800	1820	3.5
11GA X 60" X 120"	1	2,294	YU175294	38S27064A-11	319	647	53	86	175	2.7	43	128	41	14	800	1820	3.5
12GA X 48" X 120"	1	2,275	YU175528	38S28482A-11	315	638	54	88	183	1.6	44	116	40	8	806	1820	3.5
12GA X 48" X 120"	1	2,274	YU175528	38S28482A-12	315	638	54	88	183	1.6	44	116	40	8	806	1801	3.8
14GA X 48" X 120"	1	2,260	LZ485X03	38S27225B-13	315	638	54	88	183	1.6	44	116	40	8	806	1801	3.8
14GA X 48" X 120"	1	2,260	LZ485X03	38S27225B-13	337	690	49	88	183	2.6	44	116	40	8	806	1801	3.8
16GA X 48" X 96"	1	2,275	YU175063	38S28782A-1	337	690	49	88	183	2.6	44	116	40	8	806	1801	3.8
16GA X 48" X 120"	1	2,286	YU175063	38S28782A-2	304	608	57	82	160	0.9	47	148	37	2	804	1818	5.6
16GA X 48" X 120"	1	2,286	YU175063	38S28782A-3	304	608	57	82	160	0.9	47	148	37	2	807	1807	4.4
18GA X 48" X 120"	1	2,286	YU175063	38S28782A-4	304	608	57	82	160	0.9	47	148	37	2	807	1807	4.4
18GA X 48" X 96"	1	2,264	YU270228	38S28496C-1	297	620	54	84	187	1.8	39	127	31	4	807	1807	4.4
18GA X 48" X 120"	1	2,243	YU270228	38S28496C-2	297	620	54	84	187	1.8	39	127	31	4	802	1805	3.8

1829571

NO MERCURY CONTAMINATION

WE HEREBY CERTIFY THAT THE MATERIAL DESCRIBED HEREIN HAS BEEN MADE IN ACCORDANCE WITH THE RULES OF THE MILL CERTIFICATE.

THE COUNTRY OF ORIGIN AND MANUFACTURE IS INDIA

DATE OF ISSUE:10/07/2014

PAGE: 1

Remarks:

NO MERCURY CONTAMINATION

WE HEREBY CERTIFY THAT THE MATERIAL DESCRIBED HEREIN HAS BEEN MADE IN ACCORDANCE WITH THE RULES OF THE MILL CERTIFICATE.

THE COUNTRY OF MELT AND MANUFACTURE : TAIWAN

YIEH MAU CORP.

Manager of Quality Assurance Section

THYSSENKRUPP MATERIALS NA

DART AEROSPACE
ALUMINUM FLAT BAR 6061-T6511
1.250" X 2.00" X 144.0000"
PART NO.

PO/Ref 34489

We certify that this is a true copy of the report
furnished by the producer of the metal, or data
resulting from tests made in approved labs.

Signed by:

Certificate of Mill Test Results
BL PEC-021092-003
SD Dec 16
Pg 1/1



Can Do.

5850 Quality Way
Prince George, VA 23875

Service Center Metals

CERTIFIED INSPECTION REPORT AND TEST RESULTS FOR EXTRUDED PRODUCTS

BILL TO

ThyssenKrupp Materials NA-Concord, ON
SHIP TO

Quantity Certified 4,564 lbs 128 pcs

MANIFEST NUMBER 305297
CUSTOMER PO PEC-277237
CUSTOMER PART NUMBER MRB1792

DIE NUMBER

MRB1792

DATE OF SHIPMENT

8/31/2016

ALLOWABLES

6061-T6511

SALES PERSON

D. Schroeder (Canada)

DESCRIPTION
MQRB 1.250X2.000

OUR ORDER NUMBER	ITEM
271075	1

CERTIFICATION

ASTM-B221-14 Specification

SPECIFICATION

AMS-QQA-2008 Rev-A

We hereby certify that the material covered by this report has been inspected in accordance with the most recent certification revision, and has been found to meet the applicable requirements described herein, including any specifications forming a part of the description, and that samples representative of the material met the composition limits and had the mechanical properties shown. Items produced and certified as 6061-T6511 also meet the requirements of 6061-T6.

Mechanical Properties

Tests Lot No.

6 201613776

Test Date

8/13/16

Ultimate Tensile Strength (KSI)

min 47.60

max 51.30

Yield Strength (KSI)

min 42.80

max 47.30

Percent Elongation

min 14.45

max 17.05

DAS
14
9-89

12/12/15

Chemical Composition for Aluminum Alloy 6061

Cast #	Lot No.	Alloy	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Al	Each	Total	Melt Source:
1K160624Y	201613776	6061	0.75	0.41	0.33	0.09	0.91	0.10	0.04	0.02	97.35	0.05	0.15	United States of America
1M160624Y	201613776	6061	0.75	0.41	0.33	0.10	0.91	0.10	0.04	0.02	97.35	0.05	0.15	United States of America

SCM extrusions are manufactured in the USA.

Print Date: 8/31/2016

THYSSENKRUPP MATERIALS NA

DART AEROSPACE
ALUMINUM ROUND BAR 6061-T6511
750" DIA X 144.0000"
PART NO.

PO/Rel 3449

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Signed by:

Certificate of Mill Test Results
BL PEC-021092-005
SDec16
Pg 1/1



Can Do.

Service Center Metals
5850 Quality Way
Prince George, VA 23875

CERTIFIED INSPECTION REPORT AND TEST RESULTS FOR EXTRUDED PRODUCTS

BILL TO

ThyssenKrupp Materials NA-Concord, ON
SHIP TO
ThyssenKrupp Materials NA-Concord, ON
Quantity Certified 3,288 lbs 527 pcs

MANIFEST NUMBER

306139
CUSTOMER PO
PEC-277578
CUSTOMER PART NUMBER
RD00003

DIN NUMBER

RD00003
ALLOY / TEMPER
6061-T6511
DESCRIPTION
Lightning Rod T6 0.750 + 0041-.003

DATE OF SHIPMENT

8/30/2016
SALESPERSON
D. Schroeder (Canada)

CERTIFICATION

ASTM-B221-14 StencilCont
SPECIFICATION
AMS-QQA-200/8 Rev-A

OUR ORDER NUMBER	ITEM
272342	1

We hereby certify that the material covered by this report has been inspected in accordance with the most recent certification revision, and has been found to meet the applicable requirements described herein, including any specifications forming a part of the description, and that samples representative of the material met the composition limits and had the mechanical properties shown. Items produced and certified as 6061-T6511 also meet the requirements of 6061-T6.

Mechanical Properties

Tests	Lot No.	Test Date	Ultimate Tensile Strength (KSI)	Yield Strength (KSI)	Percent Elongation
	14 201613234	8/9/16	min 48.90 max 51.60	min 46.10 max 48.10	min 12.60 max 16.80

DM
11
9-8
16/12/15

Chemical Composition for Aluminum Alloy 6061

Cast #	Lot No.	Alloy	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Al	Each	Total	Melt Source
06171605	206613234	6061	0.74	0.34	0.31	0.11	0.88	0.15	0.07	0.02	97.38	0.05	0.15	United States of America
06251604	201613234	6061	0.73	0.35	0.32	0.11	0.86	0.16	0.06	0.02	97.39	0.05	0.15	United States of America

SCM extrusions are manufactured in the USA.

Print Date: 8/30/2016

THYSSENKRUPP MATERIALS NA

DART AEROSPACE
ALUMINUM SHEET 6061 T6
1250 Nom X 48.0000" X 144.0000"
PART NO.

P.O./Ref: 34489

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Signed by:

Certificate of Mill Test Results
BL PEC-021092-006
S/D: c16
Pg 1/1

DAS
48
9-8 12/12/16

Henan Xindatong Aluminum Industry Co., Ltd.

MILL TEST CERTIFICATE

Name	Lot No.	Size of Goods (inch)	Alloy/Temper	Chemical Composition (%)								Mechanical Properties		Standard
				Si	Fe	Cu	Mn	Mg	Ti	Cr	Al	Tensile Strength (MPa)	Elongation (%)	
Aluminum 6061 T6 Aluminum Sheet	RA31172	0.125" x 48" x 96"	6061 T6	0.451	0.256	0.206	0.081	0.943	0.0335	0.103	Remain	305	10.5	GB/T3880-2006
	RA31175	0.125" x 48" x 144"	6061 T6	0.539	0.245	0.218	0.089	0.972	0.0327	0.124	Remain	317	12	GB/T3880-2006
	RA32008	0.125" x 60" x 120"	6061 T6	0.556	0.236	0.217	0.079	0.962	0.0226	0.104	Remain	302	10	GB/T3880-2006
	RA32009	0.125" x 60" x 144"	6061 T6	0.538	0.2498	0.224	0.075	0.957	0.0254	0.107	Remain	308	11	GB/T3880-2006
	RA32010	0.188" x 60" x 144"	6061 T6	0.625	0.305	0.235	0.092	0.101	0.0354	0.109	Remain	308	16	GB/T3880-2006

L/C REF: 101LCZ2294

Description of Goods and/or Services
+ 24.022 METRIC TONS ALUMINUM 6061 T6 ALUMINUM SHEET
ACCORDING TO ASTM B209, AMS 4027N AND AMS QQ-A-250/11
CIF TORONTO

Inspector: Shao Jiguo

Date: MAY 24, 2016

Henan Xindatong Aluminum Industry Co., Ltd.

THYSSENKRUPP MATERIALS NA

DART AEROSPACE
STAINLESS STEEL SHEET 304-2B
0.360 Nom X 48.0000" X 96.0000"
PART NO.

PO/Rel 34489

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-021092-011

5Dec16
Pg 1/1

Signed by:



YUEN CHANG STAINLESS STEEL CO.

檢驗證明書
MILL TEST CERTIFICATE
ISSUE DATE: 2015/04/27

廠址: 中國台灣台北市
13F, No. 235 Jungeng 4th Road, Chienjin
Chiui, Kaohsiung, Taiwan
TEL: 886-7-9655858 FAX: 886-7-9655762
http://www.yuenchang.com.tw

客戶名稱 Customer	Thyssenkrupp Steel Services A Division Of Thyssenkrupp Materials Inc 22355 West Eleven Mile Road Southfield Mi 48033 USA																	
商品描述 Desc Of Goods	Description Of Goods And/Or Services : Prime, Cold Rolled Stainless Steel Coil/Sheets, Sifted Edge, As Per ASTM A240/A480. Grade 304, 2B Finish Grade 304, No.4 Finish, Laser PVC On One Main Side, With Back Pass Grade 304, 2B Finish, With Paper Interleaf																	
項目 Item	鋼捲編號 Coil No.	爐號 Heat Number(s)	鋼種 Steel Grade	表面 Finish	厚度 Thickness	寬度 Width	長度 Length	淨重 Net Weight	重量 (KGS)									
AE004	CCBE0004-15	AOA010-AAD	304	2B	20GA	48	96	1,158										
AE005	CCBE0003-05	AOA010-AAD	304	2B	20GA	48	96	189										
	CCBE0004-14	AOA010-AAD	304	2B	20GA	48	96	971										
AE001	CCWR0007-22	AOA005-AAH	304	2B	16GA	48	96	934										
AE006	CCWR0007-23	AOA005-AAH	304	2B	16GA	48	96	418										
AE003	CCCS0396-29	ANI033-AAF	304	NO.4	20GA	48	120	1,411										
(化學成分) Chemical Composition / Chemical Analysis (%)																		
Item	C	Si	Mn	P	S	Cl	Ni	N	Cu	Mo	Others	T.S N/MM ²	Y.S(0.2%) N/MM ²	Elong (%)	HB	HRB	HV	
AE004	0.021	0.310	1.370	0.031	0.0014	18.240	8.050	0.074	0.270	0.100		654	306	56.0			171.0	
AE005	0.021	0.310	1.370	0.031	0.0014	18.240	8.050	0.074	0.270	0.100		652	311	56.0			170.0	
	0.021	0.310	1.370	0.031	0.0014	18.240	8.050	0.074	0.270	0.100		654	306	56.0			171.0	
AE001	0.021	0.270	1.330	0.030	0.0083	18.290	8.020	0.077	0.310	0.150		668	344	49.0			187.0	
AE006	0.021	0.270	1.330	0.030	0.0083	18.290	8.020	0.077	0.310	0.150		668	344	49.0			187.0	
AE003	0.018	0.340	1.390	0.031	0.0054	18.200	8.030	0.074	0.270	0.100		643	280	60.0			166.0	
(機械性質) Mechanical Properties																		
QC Manager																		
ISO 9001																		
David Wang																		

本廠對本廠所製產品，均係按照規格製造及試驗，並符合規格之要求。
We hereby certify that the products described herein have been manufactured and tested with satisfactory results in accordance with the requirement of the above material specification.
本廠品質無缺陷，如月不滿意，The material described above is free from radiation contamination and mercury.
本廠品質符合EN10204/Type 3.1認證，Inspection certificate in accordance with EN10204/Type 3.1.
本廠所製產品均符合ASTM A240/A480規格要求，All the above products conform to the requirements specified in ASTM A240/A480.
WE HEREBY CERTIFYING THE MATERIAL TO ASTM A240/A480 AS PER EN 10204/3.1.

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM ROUND BAR 6061-T6511
50" DIA X 144.0000"

PART NO.

PO: Rel 34489

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Signed by:

Certificate of Mill Test Results
Bl. PEC:021092-004
5Dec16
Pg 1/1



Can Do.

Service Center Metals
5850 Quality Way
Prince George, VA 23875

CERTIFIED INSPECTION REPORT AND TEST RESULTS FOR EXTRUDED PRODUCTS

OUR ORDER NUMBER	ITEM
266822	5

BILL TO

ThyssenKrupp Materials NA-Concord, ON
Ship To

ThyssenKrupp Materials NA-Concord, ON
Quantity Certified 1,179 lbs 427 pcs

MANIFEST NUMBER 302573
CUSTOMER PO PEC-276004
CUSTOMER PART NUMBER TKM-1255

DIE NUMBER RD0001
DATE OF SHIPMENT 7/28/2016
SALES PERSON D. Schroeder (Canada)
DESCRIPTION Lightning Rod The 0.500 + .004/- .003

CERTIFICATION
ASTM-B221-14 No Stercil
SPECIFICATION
AMS-QQA-200/8 Rev-A

We hereby certify that the material covered by this report has been inspected in accordance with the most recent specification revision, and has been found to meet the applicable requirements described herein, including any specifications forming a part of the description, and that samples representative of the material met the composition limits and had the mechanical properties shown. Items produced and certified as 6061-T6511 also meet the requirements of 6061-T6

Mechanical Properties

Tests Lot No.

10

201612660

Test Date

7/25/16

Ultimate Tensile Strength (KSI)

min 49 00

max 50 80

Yield Strength (KSI)

min 45 50

max 47 50

Percent Elongation

min 11 10

max 15 85

0.5
1.4
9.88

11/12/15

Chemical Composition for Aluminum Alloy 6061

Cast #	Lot No.	Alloy	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Al	Others	Melt Source:
04111602	201612660	6061	0.71	0.38	0.31	0.10	0.86	0.16	0.06	0.02	97.40	0.05	0.15
07101604	201612660	6061	0.76	0.35	0.31	0.13	0.85	0.15	0.06	0.02	97.37	0.05	0.15

United States of America
United States of America

SCM extrusions are manufactured in the USA.

Print Date: 7/28/2016

THYSSENKRUPP MATERIALS NA

STAINLESS STEEL ROUND BAR 303 STAINLESS
50" DIA X 144.0000"
PART NO.

We certify that this is a true copy of the report
furnished by the producer of the metal, or data
resulting from tests made in approved labs.

Signed by: _____
Attn: _____

Certificate of Mill Test Results

BL PEC-021092-007

5Dec16
Pg 1, 1



North American Stainless Canada Inc.
740 Imperial Road North
Guelph, ON N1K1Z3
Canada

METALLURGICAL TEST REPORT

6870 Highway 42 East
Ghent, KY 41045-9615
(502) 347-6000

Certificate: 221589 1 Mail To:

Customer: 007206 001 THYSSENKRUPP MATERIALS
2821 LANGSTAFF ROAD
CONCORD, ON L4R5C6

Ship To:
THYSSENKRUPP MATERIALS
2821 LANGSTAFF ROAD
CONCORD, ON L4R5C6

Date: 9/26/2016 Page: 1
Steel 303
Finish: CD

Your Order: PEC277985

NAS Order: IN 0237163 01

Corrosion:

PRODUCT DESCRIPTION:

Round Bar Annealed Cold Draw
UNS 30300 ASTM A582/12 EN 10204 3.1, ASTM A484/15
AMS 5640V TYPE 1 303-764B CONDITION A
SOLUTION ANNEAL TEMP 1900F MIN

REMARKS:

COMPLIES W/ REQUIREMENTS OF DPAR 252.225-7009 EU DIRECTIVE
2011/65/EU ROHS, BAF+MOD+CC. NO WELD REPAIR, MELTED AND MFG
IN USA FREE FROM MERCURY AND LOW MELTING ALLOY CONTAMINATION

DAS
14
9-8C 16/12/15

Product ID	Skid #	Diameter	Size	Weight	Length	Mark	Pieces	Commodity Code
BI0270 6		.5000		1,130	144.00	1	1	

CHEMICAL ANALYSIS

CM(Country of Melt) ES(Spain) US(United States) ZA(South Africa) JP(Japan)

Lab Accreditation Bureau, ISO/IEC 17025, Certificate# 12323
Chemical Analysis per ASTM A751/14a

HEAT	CM	C %	CO %	CR %	CU %	MN %	MO %	N %	NI %	P %
Q20B	US	.0391	.1180	17.0795	.3080	1.9090	.2775	.0424	8.5355	.0270
	S %	SI %								
		.3170	.6525							

MECHANICAL PROPERTIES

Product ID	1 d o f c f	HE No.	.2YS KSI	UTS KSI	RA %	Ring % 2"
BI0270 6	RL	192.0	85.30	106.43	31.44	24.10

NAS hereby certifies that the analysis on this certification is correct. Based upon the results and the accuracy of the test methods used, the material meets the specifications stated. These results relate only to the items tested and this report cannot be reproduced, except in its entirety, without the written approval of NAS.

Technical
Dept. Mgr.

KRIS LARR

11/15/2016

THYSSENKRUPP MATERIALS NA

ALUMINUM PLATE BAK 6061-T6511
 2'00" X 2'00" X 144.00000"
 PART NO.

PO #614489

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Signed by:

Certificate of Mill Test Results
 BL PEC-021092-001
 SDCL 10
 Pg 1/1



Can Do.

Service Center Metals
 5850 Quality Way
 Prince George, VA 23875



CERTIFIED INSPECTION REPORT AND TEST RESULTS FOR EXTRUDED PRODUCTS

OUR ORDER NUMBER	ITEM
272627	11

BILL TO

ThyssenKrupp Materials NA-Concord, ON
 SHIP TO
 ThyssenKrupp Materials NA-Concord, ON
 Quantity Certified 5,828 lbs 413 pcs

MANIFEST NUMBER

309220
 CUSTOMER PO
 PEC-277634
 CUSTOMER PART NUMBER
 RB0096

DIE NUMBER

RB0096
 ALLOY
 6061-T6511
 DESCRIPTION
 SCRB 500X2.000

DATE OF SHIPMENT

9/30/2016
 SALESPERSON
 D. Schroeder (Canada)

CERTIFICATION

ASTM-B221-14 StencilCont
 SPECIFICATION
 AMS-QQA-2008 Rev-A

We hereby certify that the material covered by this report has been inspected in accordance with the most recent certification revision, and has been found to meet the applicable requirements described herein, including any specifications forming a part of the description, and that samples representative of the material meet the composition limits and had the mechanical properties shown. This product is RoHS-2, REACH, and DFARS compliant.

Mechanical Properties

Tests Lot No.

5 201616584

Test Date	Ultimate Tensile Strength (KSI)	Yield Strength (KSI)	Percent Elongation
9/27/16	min 44.80 max 46.80	min 40.90 max 42.80	min 13.15 max 19.80

DAE
 14
 9-8

10/13/15

Chemical Composition for Aluminum Alloy 6061

Cast #	Lot No.	Alloy	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Al	Each	Total	Melt Source
2K160917C	201616584	6061	0.61	0.21	0.20	0.07	0.86	0.06	0.02	0.02	97.95	0.05	0.15	United States of America
2M160916K	201616584	6061	0.61	0.19	0.20	0.06	0.85	0.07	<0.01	0.02	98.00	0.05	0.15	United States of America

Others

SCM products are melted and extruded in the USA

Print Date: 9/30/2016

THYSSENKRUPP MATERIALS NA

STAINLESS STEEL RODS AND BARS 304 STAINLESS
100" DIA X 144.000"

PART NO:

PROJEL 4489

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approval of jobs.

Signed by:

Certificate of Mill Test Results

BL PEC-021092-008

5Dec16
Pg 1/1



North American Stainless Canada Inc.
740 Imperial Road North
Guelph, ON N1K1Z3
Canada

METALLURGICAL TEST REPORT

6870 Highway 42 East
Chert, KY 41045-9615
(502) 347-6000

Certificate: 171382 2 Mail To:
THYSSENKRUPP MATERIALS
2821 LANGSTAFF ROAD
CONCORD, ON L4K5C6

Ship To:
THYSSENKRUPP MATERIALS
2821 LANGSTAFF ROAD
CONCORD, ON L4K5C6

Date: 4/28/2016 Page: 1
Steel: 303
Finish: 20

Your Order: PEC274951

NAS Order: IN 0231041 01

Corrosion:
Red Ratio: 69.4 :1

PRODUCT DESCRIPTION:

ROUND BRF, ANNEALED, COIL DRAW
UNS 30300, ASTM A582/19 EN 10204 3.1, ASTM A484/11
A484-5600 TYPE 1, Q35-7648 CONDITION A
SOLUTION ANNEAL TEMP 1900F MIN

REMARKS:

COMPLIES W/REQUIREMENTS OF DPAF 252.225-7009 EU DIRECTIVE
2011/65/EU, ROHS, EAF+MOD+CC. NO WELD REPAIR, HEATED AND MFG
IN USA FREE FROM MERCURY AND LOW MELTING ALLOY CONTAMINATION

DAS
14
9-89 16/12/15

Product Id	Skid #	Diameter	Size	Weight	-----Length-----	Mark	Pieces	Commodity Code
BH8463 5		1.0000		965	144.00	2	1	

CHEMICAL ANALYSIS

CM(Country of Melt) ES(Spain) US(United States) ZA(South Africa) JP(Japan)

Lab Accreditation Bureau, ISO/IEC 17025, Certificate# L2323
Chemical Analysis per ASTM A751/14a

CM	C %	CO %	CR %	CU %	MN %	MO %	N %	NI %	P %
US	.0407	.1545	17.1360	.2835	1.8050	.2835	.0396	8.2895	.0270

S % .3305
BI % .3755

MECHANICAL PROPERTIES

Product Id	1 d C I C F	HR NO.	.2YS KSI	UTS KSI	RA %	Elong % 4D
BH8463 5	R L	236.0	71.75	96.35	49.25	29.18

NAS hereby certifies that the analysis on this certification is correct. Based upon the results and the accuracy of the test methods used, the material meets the specifications stated. These results relate only to the items tested and this report cannot be reproduced, except in its entirety, without the written approval of NAS.

Technical
Dept. Mgr.

THYSSENKRUPP MATERIALS NA

DART AEROSPACE
STAINLESS STEEL SHEET 304-2B
1200 Nom X 48.0000" X 96.0000"
PART NO.

PO/Rel 34489

We certify that this is a true copy of the report
furnished by the producer of the metal, or data
resulting from tests made in approved labs.

Signed by:

Certificate of Mill Test Results
BL PEC-021092-009
Sheet
Pg. 1 of 1



INSPECTION CERTIFICATE

2115

INVOICE NO. : F16M239
COMMODITY : PRIME COLD ROLLED STAINLESS STEEL SHEET

SPECIFICATION : AISI 304 ASTM A240/A480-11a ASME SA240/SA480-11a
CUSTOMER : OLHERT METAL SALES LIMITED

NO. 345, SHUN-AN RD., LUZHU DIST.,
KAOHSIUNG CITY 821, TAIWAN, (R.O.C.)
TEL NO : 886-7-697-6266
FAX NO : 886-7-697-3006
CERTIFICATE NO:
DATE OF ISSUE: 03/11/2016 F16M239
PAGE: 1

SIZE	NO. of Product	Weight in KG	Heat No.	ID No.	Mechanical Properties						Chemical Composition									
					Tensile Test						Tensile Test				Chemical Composition (%)					
					Y.S.	T.S.	EL.	HRB	IV	C	Si	Mn	P	S	Ni	Cr	N			
(N/mm ²)	(N/mm ²)	(%)				x 100	x 100	x 100	x 1000	x 1000	x 100	x 100	x 100							
304 M4 LASER	1	1,158	LZ504732	4BS78235C-111	326	702	53	89	188	4.2	39	119	30	2	800	1830	5			
12GA X 48" X 96"	1	1,158	LZ504732	4BS78235C-112	326	702	53	89	188	4.2	39	119	30	2	800	1830	5			
12GA X 48" X 96"	1	1,218	LZ504732	4BS78235C-113	326	702	53	89	188	4.2	39	119	30	2	800	1830	5			
14GA X 60" X 120"	1	1,168	LZ504732	51S80787A-11	290	688	55	84	167	4.9	49	105	24	3	810	1854	4.6			
14GA X 60" X 120"	1	1,168	LZ504732	51S80787A-12	290	688	55	84	167	4.9	49	105	24	3	810	1854	4.6			
16GA X 48" X 96"	1	1,108	LZ504732	51S80012A-211	312	711	54	86	177	4.5	43	115	29	2	800	1800	5			
16GA X 48" X 96"	1	1,146	LZ504732	51S80012A-212	312	711	54	86	177	4.5	43	115	29	2	800	1800	5			
18GA X 48" X 96"	1	1,041	LZ504732	51S80012A-213	312	711	54	86	177	4.5	43	115	29	2	800	1800	5			
18GA X 48" X 96"	1	1,108	LZ504732	51S80012A-214	308	679	57	85	172	4.6	47	90	40	2	806	1816	4.6			
18GA X 48" X 96"	1	1,108	LZ504732	51S80012A-215	308	679	57	85	172	4.6	47	90	40	2	806	1816	4.6			
18GA X 48" X 120"	1	1,320	LZ504732	4CS79313B-13	308	679	57	85	172	4.6	47	90	40	2	806	1816	4.6			
18GA X 48" X 120"	1	1,320	LZ504732	4CS79313B-15	308	679	57	85	172	4.6	47	90	40	2	806	1816	4.6			
18GA X 48" X 120"	1	1,320	LZ504732	4CS79313B-16	308	679	57	85	172	4.6	47	90	40	2	806	1816	4.6			
18GA X 48" X 120"	1	1,320	LZ504732	4CS79313B-18	308	679	57	85	172	4.6	47	90	40	2	806	1816	4.6			
20GA X 48" X 96"	1	1,355	LZ504732	4BS78158A-14	288	700	52	85	172	4.5	38	109	40	2	808	1816	4.6			
20GA X 48" X 96"	1	1,154	LZ504732	4BS78158A-15	288	700	52	85	172	4.5	38	109	40	2	808	1816	4.6			
20GA X 48" X 96"	1	1,154	LZ504732	4BS78158A-16	288	700	52	85	172	4.5	38	109	40	2	808	1816	4.6			
20GA X 48" X 120"	1	1,150	LZ504732	4BS78158A-11	288	700	52	85	172	4.5	38	109	40	2	808	1816	4.6			
20GA X 48" X 120"	1	1,154	LZ504732	4BS78158A-12	288	700	52	85	172	4.5	38	109	40	2	808	1816	4.6			
20GA X 48" X 120"	1	1,154	LZ504732	4BS78158A-13	288	700	52	85	172	4.5	38	109	40	2	808	1816	4.6			
Remarks: 23 27180 NO MERCURY CONTAMINATION																				
WE HEREBY CERTIFY THAT THE MATERIAL DESCRIBED HEREIN HAS BEEN MADE IN ACCORDANCE WITH THE RULES OF THE L. MILL CERTIFICATION																				
THE CONTENT OF MATERIAL AND																				
DATE OF ISSUANCE: 03/11/2016																				
PAGE: 11																				

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM SQUARE BAR 6061-T6511
1.250" X 144.0000"
PART NO.

PO/Rel 34489

We certify that this is a true copy of the report
furnished by the producer of the metal, or data
resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-021092-002

5Dec16

Signed by: *[Signature]*

Pg 1/2

KAISER
ALUMINUM
FABRICATED PRODUCTS

[Handwritten Signature]

CERTIFIED TEST REPORT

<http://Online.KaiserAluminum.com>

KAISER ALUMINUM
FABRICATED PRODUCTS LLC
5205 KAISER DRIVE
KALAMAZOO, MI 49048

CUSTOMER PO NUMBER: PEC-277949-2		CUSTOMER PART NUMBER 386/STK		PRODUCT DESCRIPTION 1.250 SC SQ BAR	
KAISER ORDER NUMBER 6017188	LINE ITEM 002	SHIP DATE 09/23/2016	KAISER LOT NUMBER Z00240110	ALLOY 6061	TEMPER T6511
WEIGHT SHIPPED 926.000 LB	QUANTITY 42.000 PCS	B/L NUMBER 616941	DIAM/DEF-T-KNS	WIDTH	LENGTH 12.000 FT
SHIP TO: THYSSENKRUPP CANADA 2821 LANGSTAFF ROAD CONCORD, ON L4K 5C6 CANADA			SOLD TO: THYSSENKRUPP CANADA 2821 LANGSTAFF ROAD CONCORD, ON L4K 5C6 CANADA		

Actual Physical Properties

REFERENCE	DASH#	SAMPLE#	UTS (KSI)	YTS (KSI)	ELONG%	HARDNESS	CONDUCT.	BEND
Z00240110	CC01	0001	44.1	39.5	17.2	RE 91	N/A	N/A
Z00240110	CC01	0002	44.2	38.9	16.7	RE 90	N/A	N/A
Z00240110	CC01	0003	43.8	38.9	18.2	RE 91	N/A	N/A
Z00240110	CC01	0004	42.3	37.2	21.3	RE 90	N/A	N/A
Z00240110	CC01	0005	42.2	37.5	21.7	RE 90	N/A	N/A
Z00240110	CC01	0006	43.8	39.0	19.1	RE 90	N/A	N/A

Chemical Composition (wt%), Aluminum Remainder

LIMITS	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Pb	Bi	Zr	Ea	Tot
Maximum	0.30	0.70	0.40	0.15	1.20	0.35	0.25	0.15	NA	NA	NA	0.05	0.15
Minimum	0.40	0.00	0.15	0.00	0.80	0.04	0.00	0.00	NA	NA	NA	0.00	0.00
106539	.60	.26	.21	.08	.84	.06	.02	.02	.00	.00	.00	.01	.04

Applicable Requirements:

ASTM-B221-14 STENCILED ASME-SB221 2009 SECT II AMS-QQ-A-200/BA UNSA96061 (T6511 also conforms to T6-not applicable to other tempers)

Miscellaneous Notes

MANUFACTURED IN USA MELTED IN USA
MERCURY IS NOT A NORMAL BACKGROUND ELEMENT IN ALUMINUM ALLOYS. NEITHER MERCURY NOR ANY OF ITS COMPOUNDS ARE UTILITIZED BY KAISER ALUMINUM IN THE MANUFACTURE OF THIS MATERIAL.

Plant Serial: 00251944

Kaiser Order Number: 6017188

Line Item: 002

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM SQUARE BAR 6061-T6511

1.250" X 144.0000"

PART NO.

PO/Rel 34489

We certify that this is a true copy of the report
furnished by the producer of the metal, or data
resulting from tests made in approved labs.

Certificate of Mill Test Results

Signed by: 

BL PEC-021092-002

5Dec16

Pg 2/2

KAISER
ALUMINUM
FABRICATED PRODUCTS

KAISER ALUMINUM
FABRICATED PRODUCTS, LLC
5205 KAISER DRIVE
KALAMAZOO, MI 49048



CERTIFIED TEST REPORT

<http://Online.KaiserAluminum.com>

CERTIFICATION

Kaiser Aluminum Fabricated Products, LLC hereby certifies that metal shipped under this order has been inspected and tested and found in conformance with applicable specifications forming a part of the description set forth in Kaiser's sales acknowledgement form. Any warranty is limited to that shown on Kaiser's general terms and conditions of sale. Test reports are on file, subject to examination.

Aimee L. Macnowski, Quality & Technology Manager



Plant Serial: 00251944

Kaiser Order Number: 6017188

Line Item: 008

Page 2 of 2

THYSSENKRUPP MATERIALS NA

Certificate of Mill Test Results

PART NO.

PO/Rel
We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Signed by: _____
Attn: _____
BL PEC-000000-000

Pg 1/1



Customer: QUBERT METAL SALES LIMITED

MILL CERTIFICATE

Customer No.: F30013

Product: COLD ROLLED STAINLESS STEEL SHEET IN COIL

Certificate: B1605A06

Date: MAR. 25, 2016

Order No.: UB1000202

Page: 1/1

Specification/Steel Grade: DIN EN 10028-2 1.4301/1.4307.C
Surface Finish: No. 2B

Product ID	Chemical Composition(%)										Tensile Test							Hardness Test		Bend Test
	C	Si	Mn	P	S	NI	Cr	N	Mo	Cu	0.2% Y.S.	1% Y.S.	T.S.	EL(%)	HRHV	HV				
53S82539A	0.020	0.35	1.58	0.028	0.001	8.00	18.30	0.060	0.00	0.00	332	378	540	45	88	175				
53S82539B	0.020	0.35	1.58	0.028	0.001	8.00	18.30	0.060	0.00	0.00	332	378	540	45	88	175				
53S82539C	0.020	0.35	1.58	0.028	0.001	8.00	18.30	0.060	0.00	0.00	332	378	540	45	88	175				
53S82539D	0.020	0.35	1.58	0.028	0.001	8.00	18.30	0.060	0.00	0.00	332	378	540	45	88	175				
Product ID	Heat No.	Dimension			Edge	QTY	Weight	Remarks												
53S82539A	L2600464	3.00 mm	* 1219 mm	* 4 Coils	C	1	5.074 KG	1 Test Method: 1.1 Test Method: C.S.M by DIN EN ISO 9555:2002, EN 24835:1991. 1.2 Tensile Test: EN 6892-1:2009 2 MECHANICAL PROPERTIES REFER TO TENSILE TEST, HARDNESS TEST. 3 PO 2116												
53S82539B	L2600464	3.00 mm	* 1219 mm	* 3 Coils	C	1	5.074 KG													
53S82539C	L2600464	3.00 mm	* 1219 mm	* 3 Coils	C	1	5.079 KG													
53S82539D	L2600464	3.00 mm	* 1219 mm	* 3 Coils	C	1	5.241 KG													
		Subtotal 20.471 KG																		

Specification/Steel Grade : DIN EN 10028-2 1.4307/1.4307.C
Surface Finish : No. 2B

- We hereby certify that material described herein has been manufactured and tested with satisfactory results in accordance with the requirement of the above material specification.
- The material described herein has been detected with free irradiation.
- YUSCO has established a QMS according to ISO 9001, which is certified by DNV CERT (ref. no: 0058-2002-AQ-ACC-01A)
- Inspection and gauge measurement satisfactory
- The report can only be reproduced in full
- This certificate complies to J.1/014 EN 10204:2005.
- The tests including "Tensile Test", "Intergranular Attack" (I.I.TEST) have been accredited by METAL TESTING CERT 0058-020.

Manager of Quality Assurance Department

C.W. Chang

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M304511GA
 DATE: 16-12-12

PO / BATCH NO.: P034489/M131327

MATERIAL CERT REC'D: yes
 QUANTITY RECEIVED: 32 sq/Ft
 QUANTITY INSPECTED: 32 sq/Ft
 QUANTITY REJECTED: 0

THICKNESS ORDERED: .140
 THICKNESS RECEIVED: .146
 SHEET SIZE ORDERED: 4x3
 SHEET SIZE RECEIVED: 4x3

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	(N)	
CORRECT FINISH	(Y)	N	
CORROSION	Y	(N)	
CORRECT GRAIN DIRECTION	(Y)	N	
CORRECT MATERIAL	(Y)	N	
CORRECT THICKNESS	(Y)	N	
PHOTO REQUIRED	Y	(N)	
CORRECT MATERIAL	(Y)	N	
CORRECT REF # TO LINK CERT	(Y)	N	22605464
CORRECT MATERIAL IDENTIFICATION	(Y)	N	
CORRECT M# ON THE MATERIAL	(Y)	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	(N)	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	(N)	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW				
TYPE OF MATERIAL	HRC	HRB	DUR A	DUR D
SIZE OF TEST SAMPLE				
HARDNESS / DUROMETER READING				

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>9</u> <u>9-89</u>	SIGNED OFF BY: _____
DATE: <u>16-12-12</u>	DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M16012TL6S.125
 DATE: 11/12/08

PO / BATCH NO.: P034489 / 136327

MATERIAL CERT REC'D: yes
 QUANTITY RECEIVED: 48
 QUANTITY INSPECTED: 48
 QUANTITY REJECTED: 0

THICKNESS ORDERED: .125
 THICKNESS RECEIVED: .125
 SHEET SIZE ORDERED: 4x12
 SHEET SIZE RECEIVED: 4x12

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	(N)	
CORRECT FINISH	(Y)	N	
CORROSION	Y	(N)	
CORRECT GRAIN DIRECTION	(Y)	N	
CORRECT MATERIAL	(Y)	N	6061 T6
CORRECT THICKNESS	(Y)	N	.125
PHOTO REQUIRED	Y	(N)	
CORRECT MATERIAL	(Y)	N	ASTM B209
CORRECT REF # TO LINK CERT	(Y)	N	Heat # RA31172
CORRECT MATERIAL IDENTIFICATION	(Y)	N	M16012TL6S.125
CORRECT M# ON THE MATERIAL	(Y)	N	M 136327
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	(N)	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	(N)	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW				
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D
			N/A	

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)	
INSPECTED BY: <u>48</u> <u>9-89</u>	SIGNED OFF BY: _____		
DATE: <u>11/12/08</u>	DATE: _____		

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M304S16GA
 DATE: 11/12/08

PO / BATCH NO.: 1034489 / 136327

MATERIAL CERT REC'D: yes
 QUANTITY RECEIVED: 120
 QUANTITY INSPECTED: 120
 QUANTITY REJECTED: 0

THICKNESS ORDERED: .063
 THICKNESS RECEIVED: .057
 SHEET SIZE ORDERED: 4x10
 SHEET SIZE RECEIVED: 4x10

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="radio"/> N	
CORRECT FINISH	<input checked="" type="radio"/> Y N	
CORROSION	Y <input checked="" type="radio"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="radio"/> Y N	
CORRECT MATERIAL	<input checked="" type="radio"/> Y N	304 16 GA
CORRECT THICKNESS	<input checked="" type="radio"/> Y N	.057
PHOTO REQUIRED	Y <input checked="" type="radio"/> N	
CORRECT MATERIAL	<input checked="" type="radio"/> Y N	ASTM A240
CORRECT REF # TO LINK CERT	<input checked="" type="radio"/> Y N	Heat # Y0175063
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="radio"/> Y N	M304S16GA
CORRECT M# ON THE MATERIAL	<input checked="" type="radio"/> Y N	M136327
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input checked="" type="radio"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input checked="" type="radio"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW				
TYPE OF MATERIAL	HRC	HRB	DUR A	DUR D
SIZE OF TEST SAMPLE				
HARDNESS / DUROMETER READING		N	A	

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)	
INSPECTED BY: <u>48</u>	SIGNED OFF BY: _____		
DATE: <u>11/12/08</u>	DATE: _____		

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M304S20GA
 DATE: 11/12/08

PO / BATCH NO.: P034489/136327

MATERIAL CERT REC'D: yes
 QUANTITY RECEIVED: 64
 QUANTITY INSPECTED: 64
 QUANTITY REJECTED: 0

THICKNESS ORDERED: .040
 THICKNESS RECEIVED: _____
 SHEET SIZE ORDERED: 4x8
 SHEET SIZE RECEIVED: 4x8

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	<input checked="" type="radio"/> Y	<input checked="" type="radio"/> N	
CORRECT FINISH	<input checked="" type="radio"/> Y	<input type="radio"/> N	
CORROSION	<input checked="" type="radio"/> Y	<input checked="" type="radio"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="radio"/> Y	<input type="radio"/> N	
CORRECT MATERIAL	<input checked="" type="radio"/> Y	<input type="radio"/> N	304 20GA
CORRECT THICKNESS	<input checked="" type="radio"/> Y	<input type="radio"/> N	.035
PHOTO REQUIRED	<input checked="" type="radio"/> Y	<input checked="" type="radio"/> N	
CORRECT MATERIAL	<input checked="" type="radio"/> Y	<input type="radio"/> N	ASTM A240
CORRECT REF # TO LINK CERT	<input checked="" type="radio"/> Y	<input type="radio"/> N	Heat # A0A010-AAD
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="radio"/> Y	<input type="radio"/> N	M304S20GA
CORRECT M# ON THE MATERIAL	<input checked="" type="radio"/> Y	<input type="radio"/> N	M136327
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	<input checked="" type="radio"/> Y	<input checked="" type="radio"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	<input checked="" type="radio"/> Y	<input checked="" type="radio"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW				
TYPE OF MATERIAL	HRC	HRB	DUR A	DUR D
SIZE OF TEST SAMPLE				
HARDNESS / DUROMETER READING		N	A	

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)	
INSPECTED BY: <u>48</u> DATE: <u>11/12/08</u>	SIGNED OFF BY: _____ DATE: _____		

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

MATERIAL ML6061T6 B.500x2.000 C. 344.89/136327
16/12/15

THICKNESS ORDERED yes
 THICKNESS RECEIVED 12'
 QUANTITY INSPECTED 12'
 QUANTITY REJECTED

THICKNESS ORDERED .500
 THICKNESS RECEIVED .500
 GRAIN SIZE ORDERED
 GRAIN SIZE RECEIVED

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	<input checked="" type="checkbox"/> Y	
CORRECT GRAIN	<input checked="" type="checkbox"/> Y	
CORROSION	<input checked="" type="checkbox"/> Y	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/> Y	
CORRECT MATERIAL	<input checked="" type="checkbox"/> Y	<u>6061T6</u>
CORRECT THICKNESS	<input checked="" type="checkbox"/> Y	<u>.500</u>
PHOTO REQUIRED	<input checked="" type="checkbox"/> Y	
CORRECT MATERIAL	<input checked="" type="checkbox"/> Y	<u>AMS-QQ-A 200/8</u>
CORRECT REF# TO LINK CERT	<input checked="" type="checkbox"/> Y	<u>HEATH 2016/6584</u>
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/> Y	<u>ML6061T6 B.500x2.00</u>
CORRECT # ON THE MATERIAL	<input checked="" type="checkbox"/> Y	<u>M136327</u>
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	<input checked="" type="checkbox"/> Y	
DOES THIS REQUIRE AN EXTRUSION REPORT	<input checked="" type="checkbox"/> Y	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK.
 RECORD RESULTS BELOW

	HRC	HRB	DUR A	DUR D
TYPE OF MATERIAL				
SIZE OF TEST SAMPLE				
HARDNESS / DUROMETER READING				

testers located in the Quality Office

QC 18 INSPECTION

ENGINEERING SIGNOFF (if required)

INSPECTED BY:

DAS
14
9-89

SIGNED OFF BY:

DATE:

16/12/15

DATE:

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

MATERIAL ML06ITL6 B1.250X1.250

NO. 34489/136327

DATE 11/12/15

QUANTITY ORDERED 480
QUANTITY RECEIVED 12
QUANTITY INSPECTED 12
QUANTITY REJECTED 0

THICKNESS ORDERED 1.250
THICKNESS RECEIVED 1.250
THICKNESS INSPECTED 1.250
THICKNESS REJECTED 0

DESCRIPTION	QCR	COMMENTS
SURFACE DAUGHT	<input checked="" type="checkbox"/>	
CORRECTION	<input checked="" type="checkbox"/>	
CORROSION	<input checked="" type="checkbox"/>	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/>	
CORRECT THERMAL	<input checked="" type="checkbox"/>	
CORRECT THICKNESS	<input checked="" type="checkbox"/>	
P-H-O-O REQUIRED	<input checked="" type="checkbox"/>	
CORRECT MATERIAL	<input checked="" type="checkbox"/>	
CORRECT REF. DOCUMENT	<input checked="" type="checkbox"/>	
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/>	
CORRECT INFO ON THE MATERIAL	<input checked="" type="checkbox"/>	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	<input checked="" type="checkbox"/>	
DOES THIS REQUIRE AN EXTRUSION REPORT	<input checked="" type="checkbox"/>	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK.
RECORD RESULTS BELOW

	HRC	HRB	DUR A	DUR D
TYPE OF MATERIAL				
SIZE OF TEST SAMPLE				
HARDNESS DUROMETER READING				

Testers located in the Quality Office

QC 18 INSPECTION

ENGINEERING SIGNOFF (if required)

INSPECTED BY: DAS
14
9-89
DATE 11/12/15

SIGNED OFF BY: _____
DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

ITEM M6061TL B2.00X1.25 Q. # 34489/136327
 DATE 16/12/15

QUANTITY ORDERED yes
 QUANTITY RECEIVED 12'
 QUANTITY INSPECTED 12'
 QUANTITY REJECTED _____

THICKNESS ORDERED 1.25
 THICKNESS RECEIVED 1.25
 SHEET SIZE ORDERED _____
 SHEET SIZE RECEIVED _____

DESCRIPTION	A/C (Check)	COMMENTS
SURFACE DEFECT	<input checked="" type="checkbox"/>	
CORROSION	<input checked="" type="checkbox"/>	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/>	
WELD DEFECTS	<input checked="" type="checkbox"/>	
WELD PROPERTIES	<input checked="" type="checkbox"/>	
PHOTO REQUIRED	<input checked="" type="checkbox"/>	
CORRECT MATERIAL	<input checked="" type="checkbox"/>	
CORRECT IDENTIFICATION	<input checked="" type="checkbox"/>	
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/>	
CORRECT # ON THE MATERIAL	<input checked="" type="checkbox"/>	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	<input checked="" type="checkbox"/>	
DOES THIS REQUIRE AN EXTRUSION REPORT	<input checked="" type="checkbox"/>	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK.
 RECORD RESULTS BELOW

	HRC	HRB	DUR A	DUR D
VPE OF MATERIAL				
SIZE OF TEST SAMPLE				
HARDNESS D. ROYETER READING				

Testers located in the Quality Office

QC 18 INSPECTION

ENGINEERING SIGNOFF (if required)

INSPECTED BY:

SIGNED OFF BY:

DATE

DATE

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received.

MATERIAL RECEIPT INSPECTION FORM

ITEM: M1606IT6 R.750
16/12/15

Q. NO. 34489/136327

IS IT REQUIRED yes
 IS IT REQUIRED 24'
 IS IT REQUIRED 24'
 IS IT REQUIRED 24'

IS IT REQUIRED .750
 IS IT REQUIRED .750
 IS IT REQUIRED .750
 IS IT REQUIRED .750

DESCRIPTION	Q. NO.	COMMENTS
SURFACE DAMAGE	<input checked="" type="checkbox"/>	
WORMS	<input checked="" type="checkbox"/>	
CORROSION	<input checked="" type="checkbox"/>	
CORRECT GRIND DIRECTION	<input checked="" type="checkbox"/>	
WORMS	<input checked="" type="checkbox"/>	
WORMS	<input checked="" type="checkbox"/>	
PHOTO REQUIRED	<input checked="" type="checkbox"/>	
CORRECT MATERIAL	<input checked="" type="checkbox"/>	
DO NOT REF. TO LINK CERT	<input checked="" type="checkbox"/>	
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/>	
CORRECTIVE ACTION MATERIAL	<input checked="" type="checkbox"/>	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	<input checked="" type="checkbox"/>	
DOES THIS REQUIRE AN EXTRUSION REPORT	<input checked="" type="checkbox"/>	

606IT6
750

AMS-DQA-20018
HEAT# 201613234
M1606IT6 R.750
M136327

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK.
 RECORD RESULTS BELOW.

TYPE OF MATERIAL	HRC	HRB	DUR A	DUR D
SIZE OF TEST SAMPLE				
HARDNESS DUROMETER READING				

Testers located in the Quality Office

QC TB INSPECTION		ENGINEERING SIGNOFF (If required)	
INSPECTED BY: <u>14</u>	SIGNED OFF BY: _____	DATE: <u>16/12/15</u>	DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

MATERIAL 6061 T6 R.500
161215

NO. OF SHEETS 34489/136327

THICKNESS ORDERED yes
 THICKNESS RECEIVED 12
 QUANTITY INSPECTED 12
 QUANTITY REJECTED

THICKNESS ORDERED .500
 THICKNESS RECEIVED .500
 SHEET SIZE ORDERED
 SHEET SIZE RECEIVED

DESCRIPTION	YOR (Check)	COMMENTS
SURFACE DAMAGE	<input checked="" type="checkbox"/>	
CORRECT FINISH	<input checked="" type="checkbox"/>	
CORROSION	<input checked="" type="checkbox"/>	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/>	
CORRECT MATERIAL	<input checked="" type="checkbox"/>	6061 T6
CORRECT THICKNESS	<input checked="" type="checkbox"/>	.500
PHOTO REQUIRED	<input checked="" type="checkbox"/>	
CORRECT MATERIAL	<input checked="" type="checkbox"/>	AMS-QQA-20018
REINFORCEMENT REQUIRED	<input checked="" type="checkbox"/>	HEAT# 201612660
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/>	6061 T6 R0.500
CORRECT MARKING ON THE MATERIAL	<input checked="" type="checkbox"/>	M136327
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	<input checked="" type="checkbox"/>	
DOES THIS REQUIRE AN EXTRUSION REPORT	<input checked="" type="checkbox"/>	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK.
 RECORD RESULTS BELOW

	HRC	HRB	DUR A	DUR D
TYPE OF MATERIAL				
SIZE OF TEST SAMPLE				
HARDNESS / DUROMETER READING				

Testers located in the Quality Office

QC 10 INSPECTION

ENGINEERING SIGNOFF (if required)

INSPECTED BY 14
9-89

SIGNED OFF BY

DATE 16/12/25

DATE

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

ITEM NO. M303 RD.500
16/12/15

QTY NO. 34489/134327

THICKNESS REQUIRED 480
 THICKNESS RECEIVED 24
 GRAIN DIRECTION 24
 GRAIN SIZE REQUIRED

THICKNESS REQUIRED .500
 THICKNESS RECEIVED .500
 GRAIN DIRECTION
 GRAIN SIZE REQUIRED

DESCRIPTION	YOR	COMMENTS
SURFACE DAMAGE	<input checked="" type="checkbox"/>	
CORRECTION	<input checked="" type="checkbox"/>	
CORROSION	<input checked="" type="checkbox"/>	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/>	
WELDING MATERIAL	<input checked="" type="checkbox"/>	303
WELDING PROCESS	<input checked="" type="checkbox"/>	.500
PHOTO REQUIRED	<input checked="" type="checkbox"/>	
CORRECT MATERIAL	<input checked="" type="checkbox"/>	ASTM A582
WELDING REF # TO VERIFY	<input checked="" type="checkbox"/>	HEAT # 020B
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/>	M303 RD.500
CORRECT WELDING MATERIAL	<input checked="" type="checkbox"/>	M136327
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	<input checked="" type="checkbox"/>	
DOES THIS REQUIRE AN EXTRUSION REPORT	<input checked="" type="checkbox"/>	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK.
 RECORD RESULTS BELOW

	HRC	HRB	DUR A	DUR D
TEMPERATURE				
SIZE OF TEST SAMPLE				
HARDNESS - DUROMETER READING				

Testers located in the Quality Office

QC 18 INSPECTION

ENGINEERING SIGNOFF (if required)

INSPECTED BY DAS
14
989
 DATE 16/12/15

SIGNED OFF BY
 DATE

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

ITEM NO. M303 R1.000
DATE 16/12/15

Q. NO. 34489/136327

MATERIAL CERT REQD yes
QUANTITY RECEIVED 12'
QUANTITY INSPECTED 12'
QUANTITY REJECTED _____

THICKNESS ORDERED 1.00
THICKNESS RECEIVED: 1.06
SHEET SIZE ORDERED _____
SHEET SIZE RECEIVED _____

DESCRIPTION	Y/N	COMMENTS
SURFACE DAMAGE	<input checked="" type="checkbox"/>	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/>	
CORRECT MATERIAL	<input checked="" type="checkbox"/>	303
CORRECT THICKNESS	<input checked="" type="checkbox"/>	1.00
PHOTO REQUIRED	<input checked="" type="checkbox"/>	
CORRECT MATERIAL	<input checked="" type="checkbox"/>	ASTM A582
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/>	HEAT # 94RS
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/>	M303 R1.00
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/>	4136327
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	<input checked="" type="checkbox"/>	
DOES THIS REQUIRE AN EXTRUSION REPORT	<input checked="" type="checkbox"/>	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK.
RECORD RESULTS BELOW

	HRC	HRB	DUR A	DUR D
TYPE OF MATERIAL				
SIZE OF TEST SAMPLE				
HARDNESS DILATOMETER READING				

Testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)	
INSPECTED BY: <u>14</u>	SIGNED OFF BY: _____		
DATE: <u>16/12/15</u>	DATE: _____		

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO34489

Purchase Order Date 12/1/2016

PO Print Date 12/2/2016

Page Number 1 of 7

Order From : VC-COP001
THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"
TORONTO, ON M5W 5V8
CA

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

REUSE

Contact Name

Vendor Phone 905 669 9444

Ship To Contact

Ship To Phone

Ship Via: VENDOR'S TRUCK

Ship Acct:

Buyer

Chantal Lavoie

Customer POID

Customer Tax # 10127-2607

Terms Net 30

Currency CAD

FOB FCA - (Free Carrier)

Line Nbr	Reference Vendor Part Number Line Comments Delivery Comments	Description/ Mfg ID	Req Date/ Taxable Promise Date	CD	Req Qty/ Unit of Measure	PO Unit Price	Extended Price
1	M6061T6B0.500X02.000	6061-T6 Bar .500 x 2.00	12/7/2016 Yes 12/7/2016		12.00 f	\$4.58	\$55.00
MATERIAL: 6061-T6/T6510/T6511/T62 ALUMINUM BAR AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116 OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221							
Line Total:							\$55.00
2	M6061T6B1.250X01.250	6061-T6 Bar 1.25 x 1.25	12/7/2016 Yes 12/7/2016		12.00 f	\$4.58	\$55.00
MATERIAL: 6061-T6/T6510/T6511/T62 ALUMINUM BAR AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116 OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221							
Line Total:							\$55.00

616-12-7

PO Instructions: QUOTATION # ST-993768

Note:

12/2/2016



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO34489**

Purchase Order Date 12/1/2016

PO Print Date 12/2/2016

Page Number 2 of 7

Order From : VC-COP001
THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"
TORONTO, ON M5W 5V8
CA

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name

Vendor Phone 905 669 9444

Ship To Contact

Ship To Phone

Ship Via: VENDOR'S TRUCK

Ship Acct:

Buyer

Chantal Lavoie

Customer POID

Customer Tax # 10127-2607

Terms Net 30

Currency CAD

FOB FCA - (Free Carrier)

3	M6061T6B2.000X01.250 ✓	6061-T6 Bar 2.00 x 1.25 ✓	12/7/2016	12.00 ✓	\$8.32	\$99.84
			Yes	f		
			12/7/2016			

MATERIAL: 6061-T6/T6510/T6511/T62 ALUMINUM BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR
ASTM B221

Line Total: \$99.84

4	M6061T6R0.500 ✓	6061-T6 Round Bar .500" ✓	12/7/2016	12.00 ✓	\$4.58	\$55.00
			Yes	f		
			12/7/2016			

MATERIAL: 6061-T6/T6510/T6511/T62 ALUMINUM ROUND BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR
ASTM B221

Line Total: \$55.00

5	M6061T6R0.750 ✓	6061-T6 Round Bar .750" ✓	12/7/2016	24.00 ✓	\$2.40	\$57.60
			Yes	f		
			12/7/2016			

MATERIAL: 6061-T6/T6510/T6511/T62 ALUMINUM ROUND BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR
ASTM B221

SP/1612-7.

PO Instructions: QUOTATION # ST-993768

Note:

12/2/2016



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO34489

Purchase Order Date 12/1/2016

PO Print Date 12/2/2016

Page Number 3 of 7

Order From : VC-COP001
THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"
TORONTO, ON M5W 5V8
CA

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name
Vendor Phone 905 669 9444
Ship To Contact
Ship To Phone
Ship Via: VENDOR'S TRUCK
Ship Acct:

Buyer Chantal Lavoie
Customer POID
Customer Tax # 10127-2607
Terms Net 30
Currency CAD
FOB FCA - (Free Carrier)

Line Total: \$57.60

7 M6061T6S.125 6061-T6 .125 Sheet 12/7/2016 48.00 \$6.13 \$294.00
Yes
12/7/2016 sf

MATERIAL: 6061-T6/T62 ALUMINUM SHEET AS PER
QQ-A-250/11 OR AMS-QQ-A-250/11 OR AMS 4025 OR AMS 4027
OR ASTM B209

Line Total: \$294.00

9 M303R0.500 303 Round Bar 0.500" 12/7/2016 24.00 \$2.44 \$58.48
Yes
12/7/2016 f

MATERIAL: AISI 303 SS ROUND BAR AS PER ASTM A582

NOTE: AISI 304/316 NOT ACCEPTABLE

Line Total: \$58.48

10 M303R1.000 303 Round Bar 1.00 12/7/2016 12.00 \$8.32 \$99.87
Yes
12/7/2016 f

MATERIAL: AISI 303 SS ROUND BAR AS PER ASTM A582

NOTE: AISI 304/316 NOT ACCEPTABLE

PO Instructions: QUOTATION # ST-993768

Note:

SP/6-127.

12/2/2016



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO34489

Purchase Order Date 12/1/2016

PO Print Date 12/2/2016

Page Number 4 of 7

Order From : VC-COP001
THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"
TORONTO, ON M5W 5V8
CA

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name
Vendor Phone 905 669 9444

Ship To Contact
Ship To Phone
Ship Via: VENDOR'S TRUCK
Ship Acct:

Buyer Chantal Lavoie
Customer POID
Customer Tax # 10127-2607
Terms Net 30
Currency CAD
FOB FCA - (Free Carrier)

11	M304S11GA	304/316 0.125 Sheet	12/7/2016 Yes 12/7/2016	32.00 sf	\$9.25	\$296.00
Line Total:						\$99.87

PURCHASE MATERIAL: AISI 304/316 SS SHEET
ANNEALED
SPECIFICATION: MIL-S-5059
OR AMS 5513 (304)
OR AMS 5524 (316)
ORASTMA240
OR ASME SA240

12	M304S16GA	304/316 Sheet .063	12/7/2016 Yes 12/7/2016	120.00 sf	\$4.63	\$555.77
Line Total:						\$296.00

PURCHASE MATERIAL: AISI 304/316 SS SHEET
ANNEALED
SPECIFICATION: MIL-S-5059
OR AMS 5513 (304)
~~OR AMS 5524 (316)~~
~~ORASTMA240~~
~~OR ASME SA240~~

SP16-12-7

PO Instructions: QUOTATION # ST-993768

Note:

12/2/2016



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO34489

Purchase Order Date 12/1/2016

PO Print Date 12/2/2016

Page Number 5 of 7

Order From : VC-COP001
THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"
TORONTO, ON M5W 5V8
CA

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name
Vendor Phone 905 669 9444

Ship To Contact
Ship To Phone
Ship Via: VENDOR'S TRUCK
Ship Acct:

Buyer Chantal Lavoie
Customer POID
Customer Tax # 10127-2607
Terms Net 30
Currency CAD
FOB FCA - (Free Carrier)

Line Total: \$555.77

13 M304S20GA 304/316 .040 Sheet 12/7/2016 64.00 \$4.25 \$272.01
Yes
12/7/2016 sf

PURCHASE MATERIAL: AISI 304/316 SS SHEET
ANNEALED
SPECIFICATION: MIL-S-5059
OR AMS 5513 (304)
OR AMS 5524 (316)
ORASTMA240
OR-ASME SA240

8016-12-7

Line Total: \$272.01

14 M7075T6B0.375X6.000 7075-T6 Plate 0.375" X 12/14/2016 FN 12.04 \$26.54 \$319.50
6.000", QQ-A 250/12
Yes
12/14/2016 f

MATERIAL: 7075-T6 OR T651/T6510/T6511/T62 ALUMINUM BAR
AS PER AMS-QQ-A-225/9 OR AMS 4122/4123/4186/4187 OR
PER AMS-QQ-A-200/11 OR QQ-A-250/12 CUT FROM PLATE

Line Total: \$319.50

PO Instructions: QUOTATION # ST-993768

Note:

12/2/2016



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO34489**

Purchase Order Date 12/1/2016

PO Print Date 12/2/2016

Page Number 6 of 7

Order From : VC-COP001
THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"
TORONTO, ON M5W 5V8
CA

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name

Vendor Phone 905 669 9444

Ship To Contact

Ship To Phone

Ship Via: VENDOR'S TRUCK

Ship Acct:

Buyer

Customer POID

Customer Tax # 10127-2607

Terms

Currency

FOB

Chantal Lavoie

Net 30

CAD

FCA - (Free Carrier)

15	M7075T6B5.000X1.000	7075-T6 BAR 5.000" X 1.000"	12/7/2016	0.00	\$0.00	\$0.00
----	---------------------	-----------------------------	-----------	------	--------	--------

Yes

f

12/7/2016

MATERIAL: 7075-T6 OR T651/T6510/T6511/T62 ALUMINUM BAR
AS PER AMS-QQ-A-225/9 OR AMS 4122/4123/4186/4187 OR
PER AMS-QQ-A-200/11 OR QQ-A-250/12 CUT FROM PLATE

	M7075T6B5.000X1.000		12/14/2016	12.04	\$41.94	\$505.00
--	---------------------	--	------------	-------	---------	----------

f

12/14/2016

Line Total: \$505.00

16	M7075T6B6.000X1.000	7075-T6 BAR 6.000" X 1.000"	12/14/2016	12.04	\$46.68	\$562.00
----	---------------------	-----------------------------	------------	-------	---------	----------

Yes

f

12/14/2016

MATERIAL: 7075-T6 OR T651/T6510/T6511/T62 ALUMINUM BAR
AS PER AMS-QQ-A-225/9 OR AMS 4122/4123/4186/4187 OR
PER AMS-QQ-A-200/11 OR QQ-A-250/12 CUT FROM PLATE

Line Total: \$562.00

PO Instructions: QUOTATION # ST-993768

Note:

12/2/2016



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO34489**

Purchase Order Date 12/1/2016

PO Print Date 12/2/2016

Page Number 7 of 7

Order From : VC-COP001
THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"
TORONTO, ON M5W 5V8
CA

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name

Vendor Phone 905 669 9444

Ship To Contact

Ship To Phone

Ship Via: VENDOR'S TRUCK

Ship Acct:

Buyer

Chantal Lavoie

Customer POID

Customer Tax # 10127-2607

Terms

Net 30

Currency

CAD

FOB

FCA - (Free Carrier)

17	71401-45	PROCUREMENT QUALITY CLAUSES	12/7/2016	1.00	\$0.00	\$0.00
----	----------	--------------------------------	-----------	------	--------	--------

No

Procurement Quality Clauses

12/7/2016

A005 right of entry

A012 chemical and physical test report

A016 personnel qualification

A017 raw material identification (as applicable)

A026 certification of material conformance

A041 quality management system

A042 dart notification by supplier

A043 retention of quality documents

Line Total: \$0.00

PO Total: \$3,285.07

PO Instructions: QUOTATION # ST-993768

Note: Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Change Nbr: 2

Change Date: 12/2/2016